



Blast 2 Sequences results

PubMed

Entrez

BLAST

OMIM

Taxonomy

Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.4 [Aug-26-2002]

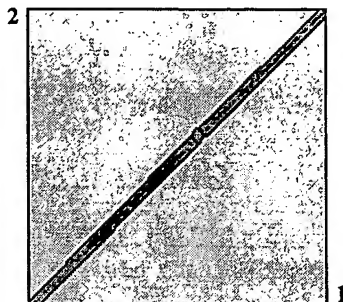
Match: 1 Mismatch: -2 gap open: 5 gap extension: 2

x_dropoff: expect: wordsize: Filter ☒

Align

Sequence 1 |cl|seq_1 Length 2268 (1 .. 2268)

Sequence 2 |cl|seq 2 **Length** 2268 (1 .. 2268)



NOTE:The statistics (bitscore and expect value) is calculated based on the size of nr database

NOTE:If protein translation is reversed, please repeat the search with reverse strand of the query sequence

Score = 3603 bits (1874), Expect = 0.0
Identities = 2140/2268 (94%), Gaps = 2/2268 (0%)
Strand = Plus / Plus

Query: 1 atgtcagcttcacacctccttgataaccagtgcgatcatctcccaacaaaatgggtgga 60
 |||||

SEB IN NO. 10 (octopne-type T₁)

nopoline-type Ti

Query: 61 ctgacaatgggtcgataaggcggatgaattggaccgcagggtttccgatgccttcttagaa 120

Sbjct: 61 ctgataatggtcgataaggctgatgaattggaccgcaggggtttccgatgccttctcagaa 120

Query: 121 cgagaagcttctaggggaaggaggattactcaaagctccaccgagtgcagcgtcgggtta 180

Sbjct: 121 cgtgaagcttctaggggaaggatgattactcaaattctccggcgagtgcagcgctgggtta 180

Query: 181 gcttgcaaaaggctggccgatggctcgcttccccgagatctcagctggtggaaaggttagca 240

Sbjct: 181 gcttgcaaaaggctggccgacggctcgctttcccgagatctcagctggtgagaagggtagca 240

Query: 241 gttctctccgcttatatctatatattggcaaagaaattctggggcggatacttgaatcgaaa 300

Sbjct: 241 gccctctccgcttacatctatgttgqcaaggaaattctggggcggatacttgaatcggaa 300

Query: 301 ccttgggcgcgggcaacagtgagtggctctcgttgccatcgacttggacaccattttgcatg 360

Sbjct: 301 ccttgggcgcgagcaagagtgagtggctctcgttgccatcgaccttgaccattttgtatg 360

<http://www.ncbi.nlm.nih.gov/blast/bl2seq/wblast2.cgi?>



Query:	361	gattttctccgaagcacaactaatccaagccctgtttttgctgagcgggtaaaagatgtgca	420
Sbjct:	361	gattttctccgaagcacaacttctccaaaccctgtttttgctgagcgggtaaaagatgtgca	420
Query:	421	ccgattgatcttagtcatttcgtggccatttcaatctctaagactgccggctttcgaacc	480
Sbjct:	421	tccagcgcgtcttagtcatttcgtggccatttcaatctctaagactgcccgctcccgaacc	480
Query:	481	ctgccaatgccgctgtacgagaatggcacgatgaaatgcgttaccgggtttaccataacc	540
Sbjct:	481	ctgcaaatgccgccttacgagaaaggcacgacgaaacgcgttaccgggtttaccctgacc	540
Query:	541	cttgaagggggccgtgccatttgacatggttagcttatggtcgaaacctgatgctgaagggt	600
Sbjct:	541	cttgaagaggccgtaccatttgacatggttagcttatggtcgaaacctgatgctgaaggct	600
Query:	601	tccgcaggttcctttccaacaatcgacttgctctacgactgcagaccgttttttgaccaa	660
Sbjct:	601	tccgcaggttcctttccaacaattgacttgctctatgactacagatcgtttttgaccaa	660
Query:	661	tgttccgatagtggaacggatcggcttctttccggaggatgttcctaagccgaaagtggcg	720
Sbjct:	661	tgttccgatagtggaacggatcggcttctttccggaagatgttcctaagccaaaagtggcg	720
Query:	721	gtcattggcgctggcatttccggactcggtggggcaaacgaactgcttcacgtctgggta	780
Sbjct:	721	atcattggcgctggcatttccggactcggtggggcaaacgaactgcttcacgtctgggta	780
Query:	781	gacgatgttacaatatatgaagcaagtgatcgtgttgagggaagcctttggtcacatgct	840
Sbjct:	781	gacgatgttacaatatatgaagcaagtgatcgggttgagggaagcctttggtcacatgct	840
Query:	841	ttcagggaacgctcctagtgtcgtggccgaaatgggggcgatgcgatttcctcctgctgca	900
Sbjct:	841	ttcaagggaacgctcccagcgtggtggccgaaatgggggcgatgcgatttcctcctgctgca	900
Query:	901	ttctgcttggttttcttctcgcgagcgttacggcctgtcttcgatgaggccgttcctcaaat	960
Sbjct:	901	tcgtgcttggttttcttctcgcgagcgttacggcctgtcttcgatgaggccgttcctcaaat	960
Query:	961	cccggcacagtcgcacacttacttgggtctaccaaggcgtccaatacatgtggaaagccggg	1020
Sbjct:	961	cccggcacagtcgcacactaacttgggtctaccaaggcctccgatacatgtggaaagccggg	1020
Query:	1021	cagctgccaccgaagctgttccatcgcggtttacaacggttggcgtgcgttcttgaaggac	1080
Sbjct:	1021	cagcagccaccgaagctgttccatcgcggtttacagcggttggcgtgcgttcttgaaggac	1080
Query:	1081	ggttttcatgagcgagatattgtgttggttcgcctgtcgtctattactcaggccttgaaa	1140
Sbjct:	1081	ggtttccatgagggagatattgtgttggttcgcctgttgcgtctattactcaagccttgaaa	1140
Query:	1141	tcaggacacattaggtgggctcatgactcctggcaaatttggctgaaccgtttcggggagg	1200
Sbjct:	1141	tcaggagacattagggggctcatgactcctggcaaacttggctgaaccgtttcggggagg	1200
Query:	1201	gagtccttctcttcagggatagagaggatctttctggggcacacatcctcctggtggt-aa	1259
Sbjct:	1201	gagtccttctcttcagcgatagagaggatctttctggggcacgcctcctcctggtggtgaa	1260

Query: 1260 acatggagttttcctcatgattgggacattcaagctaaggggaataggatctggcg 1319
|||||
Sbjct: 1261 acatggagtttccctcatgattgggacattcaagctaaggggaataggatctggc-gg 1319

Query: 1320 gtttggtccagtttttgaaagcgggtttattgagatcctccgcttggtcatcaacggata 1379
|||||
Sbjct: 1320 gtttggtccagtttttgaaagcgggtttattgagatccttcgcttggtcataaacggata 1379

Query: 1380 tgaagaaaatcagcggatgtgcctgaaggaatctcagaacttcacgtcggatcgcatc 1439
|||||
Sbjct: 1380 tgaagaaaatcagcggatgtgctctgaaggaatctcagaacttcacgtcgaatagccac 1439

Query: 1440 tgaagtggttaacggtgtgtctgtgagccagcgcataatgccatgttcaagtcaggcgat 1499
|||||
Sbjct: 1440 tcaagtggttaacggtgtgtctgtgaagccagcgtatacgccatgttcaagtcaggcgat 1499

Query: 1500 tcagaaggaaaagacaaaaataagataaggccttaagagcgggatatctgaactttatga 1559
| ||||
Sbjct: 1500 tgagaaagaaaagacaaaaataagataaggccttaagagcgggatatctgaactttatga 1559

Query: 1560 taagtggtggttcacatctggactcgcaaatatccaactcaggcattgcctgacatgcga 1619
|||||
Sbjct: 1560 taagtggtggtttacatctggactcgcaaatatccaactcaggcattgtctgacatgcga 1619

Query: 1620 taccaatatctttcaggcaccagtgaaccaagcgggttgataacagccatatgacaggatc 1679
|||||
Sbjct: 1620 taccaccattttctgacagcagtgaaccaagcgggttgataacagccatatgacaggctc 1679

Query: 1680 gtcaaaactcttctctgatgactgaacgaaaattctggttagaccatatcctccgctctg 1739
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Sbjct: 1680 gtcaaaactcttctctgatgactgaacgaaaattctggttagaccatatcctccgctctg 1739

Query: 1740 tgtcctcatggacgggatcgcaaaagcagtgattgcctggactatgagtcgcaggatcc 1799
|||||
Sbjct: 1740 tgtcctcatggacgggatcgcaaaagcagtgactgcctggactatgagccgcaggatcc 1799

Query: 1800 gaatggtaaaggcttagtgctcatcagttatacatgggaggacgactcccacaagctgtt 1859
|||||
Sbjct: 1800 gaatggtaaaggcttggtgctcatcagttatacatgggaggacgactcccacaagctgtt 1859

Query: 1860 ggcggtccccgacaaaaagagcgattatgtctgctgcgggacgcaatttcgagatcttt 1919
|||||
Sbjct: 1860 ggcggtccccgacaaaaagagcgattctgtctgctgcgggacgcaatttcgagatcttt 1919

Query: 1920 cccggcggtttgccagcacctatttcctgcctgcgctgattacgacaaaaatgttattca 1979
|||||
Sbjct: 1920 cccggcggtttgccagcatctagttcccgctgcgctgattacgacaaaaatgttattca 1979

Query: 1980 acatgattggcttacagacgagaatgccggggagctttcaaactcaaccggcggtgga 2039
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Sbjct: 1980 acatgattggcttacagacgagaatgccggggagctttcaaactcaaccggcggtgga 2039

Query: 2040 ggatttttattctgaagaacttttcttcaagcactggacacggctaataatgataccggagt 2099
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Sbjct: 2040 ggatttttattctgaagaacttttcttcaagcactggacatgactaatgataccggagt 2099

Query: 2100 ttacttggcgggttgagttgttccttcacaggtggatgggtggaggggtgctattcagac 2159
|||||
Sbjct: 2100 ttacttggcgggttgagttgttccttcaccgggtggatgggtggagggcgctattcagac 2159

Query: 2160 cgcggtgtaacgccgtctgtgcaattatccacaattgtggaggcattttggcaaaggga 2219
|||||
Sbjct: 2160 cgcggtgtaacgccgtctgtgcaattatccacaattgtggaggatattttggcaaaggaca 2219

Query: 2220 tcctctcgaacactcttgggaagagatataactaccgcagtagaaatta 2267
|||||
Sbjct: 2220 tcctctcgaacactcttgggaagagatataactaccgcaatagaaatta 2267

CPU time: 0.09 user secs. 0.05 sys. secs 0.14 total secs.

Lambda K H
1.33 0.621 1.12

Gapped
Lambda K H
1.33 0.621 1.12

Matrix: blastn matrix:1 -2
Gap Penalties: Existence: 5, Extension: 2
Number of Hits to DB: 5
Number of Sequences: 0
Number of extensions: 5
Number of successful extensions: 4
Number of sequences better than 10.0: 1
length of query: 2268
length of database: 7,234,536,489
effective HSP length: 25
effective length of query: 2243
effective length of database: 7,234,536,464
effective search space: 16227065288752
effective search space used: 16227065288752
T: 0
A: 0
X1: 6 (11.5 bits)
X2: 26 (50.0 bits)
S1: 12 (23.8 bits)
S2: 21 (41.1 bits)